Arsenii Ashukha

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Summary

I'm getting PhD at University of Amsterdam jointly with Yandex Research, focused on Bayesian Deep Learning by supervision of Dmitry Vetrov and Max Welling. Also, I teach several scientific seminars on Machine Learning and involved in research at HSE. My publications are available at Google Scholar.

Skills: Machine Learning, Deep Learning, Bayesian ML, Python, Linux, Fluent English

Education

2017 - 2021 Working on	PhD Candidate, *Machine Learning*, University of Amsterdam and Yandex Research *Bayesian Deep Learning* by supervision of Dmitry Vetrov (`Yandex`) and Max Welling (`UvA`)
2015 - 2017 Thesis	Master, *Machine Learning*, Moscow Institute of Physics and Technology, GPA: 4.8/5.0 *Variational Dropout Sparsifies DNNs*, Supervisor: Dmitry Vetrov (`HSE`), Alex Dral (`MIPT`)
2015 - 2016 Result	Irregular Student, *Machine Learning*, Yandex School of Data Analysis, GPA: 4.8/5.0 *Six courses were passed and the favorites are Bayesian ML, Deep Learning, Machine Learning*
2011 - 2015 Thesis	Bachelor, *Computer Science*, Bauman Moscow State Technical University, GPA: 3.7/5.0 *Building of Uncorrelated Kernels for Topic Models*, Supervisor: N. Loukachevitch (`MSU`)

Experience

Sep 2017 - nowadays	**Yandex**, Moscow — Researcher at Applied Research Team *Chief*: Dmitriy Vetrov (vetrovd@yandex.ru), Pavel Serdyukov (pavser@yandex-team.ru)
Mar 2017 - nowadays	**HSE**, Moscow — Intern Researcher at Bayesian Deep Learning Lab *Chief*: Dmitriy Vetrov (vetrovd@yandex.ru)
Jun 2016 - Aug 2016 3 months	**Yandex**, Moscow — Intern at Music Deep Learning Group - The quality of searching similar tracks and recommendation using DNN has been improved - Similar tracks system is working in production at `music.yandex.ru` *Chief*: Eugene Krofto (singleton@yandex-team.ru)
Dec 2013 - Feb 2016 2 years part time	**Rambler**, Moscow — R&D Engineer at Machine Learning Group - The quality and the performance of user classification using url-history has been improved - Has been developed recommendations system for a news posts on `rambler.ru` *Chief*: Pavel Klemenkov (pklemenkov@gmail.com), Anton Gorokhov (anton.gorokhov@gmail.com)
Jun 2013 - Aug 2013 3 months	**Rambler**, Moscow — Intern at Search Group - Has been developed query clf system to use widgets in a web search result adaptively *Chief*: Max Karpenko (v3dmax@gmail.com)

Teaching

- **Feb 2016 - Feb 2017:** Practical Lecturer of `Machine Learning` at MIPT (page)
- **Feb 2017 - Aug 2017:** Lecturer of Deep Learning block in `Machine Learning` at MIPT (page)
- **Oct 2016 - Aug 2017:** Lecturer of Deep Learning block in `Data Mining in Action` (page, video)
- **Feb 2017 - nowadays:** Supervisor of `Scientific seminar on Machine Learning` at HSE (page) and YSDA (page)

Publications

- **Kirill Neklyudov, Dmitry Molchanov, Arsenii Ashukha, Dmitry Vetrov**
  Structured Bayesian Pruning via Log-Normal Multiplicative Noise, NIPS 2017, `arxiv.org/abs/1705.07283`
- **Dmitry Molchanov*, Arsenii Ashukha*, Dmitry Vetrov**
  Variational Dropout Sparsifies Deep Neural Networks, ICML 2017, `arxiv.org/abs/1701.05369`